

High Density Polyethylene
Lotte Chemical Corporation

Product Description

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• Lotte Chemical Corporation		
Availability	• Asia Pacific • Asia Pacific	• Europe • Europe	• North America • North America
Features	• Good Impact Resistance	• Good Stiffness	
Uses	• Crates	• Household Goods	
RoHS Compliance	• RoHS Compliant		

Physical	Nominal Value Unit	Test Method
Density	0.959 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance F50	6.00 hr	ASTM D1693

Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Yield)	23.5 MPa	ASTM D638
Tensile Elongation (Break)	> 300 %	ASTM D638
Flexural Modulus	1180 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	98 J/m	ASTM D256

Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	122 °C	ASTM D1525

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.